



MARINE RADIAL SURFACE DRIVE

*Entry
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ABSTRACT: A marine outdrive attachable to the transom of a boat having a conventional inboard engine and transmission. Said drive includes an aft support member extending rearwardly and pivotably attached to the transom whereby hydraulic actuators control vertical elevation of said member. Said member supports an axle upon which is journaled a cylinder with a plurality of contiguous and articulated blades, suitably attached so as to produce thrust when cylinder is rotated about the axle in a radial manner and said blades are brought into contact with water. Said cylinder is operably connected to the transmission in a conventional manner, which is operably connected to the engine in a conventional manner. Said blades are operably connected to an eccentric load cam within said cylinder that controls said blade angle throughout rotation, whereby delivered thrust can be continuously adjusted while underway. Said blades having unique shape and attributes whereby said blade's ability to produce thrust is optimized. A rudder assembly is suitably attached to the rearward end of said member and operably connected to the helm of the boat in a conventional manner.